Clean copy of claim 1

1. (Amended) A coating process of a powder metal micro thin film, suitable for use in a container having any profile and having at least one interior bottom surface, the process comprising:

mixing a predetermined amount of powder metal with a predetermined amount of liquid to form a powder metal mixture, wherein the amounts of powder metal and liquid are adjusted to allow fluent flow of the powder metal mixture;

stirring the powder metal mixture;

filling the powder metal mixture in the container;

vibrating the container;

vaporizing liquid from the powder metal mixture; and

forming a thin film of powder metal deposited on the interior bottom surface of the container, wherein the thin film is thinner than about 0.1mm.

Clean copy of claim 2

2. (original) The process as claimed in Claim 1, wherein the container comprises one interior bottom surface.

Clean copy of claim 3

3. (Amended) The process as claimed in Claim 1, wherein the container comprises a plurality of interior bottom surfaces arranged in a multi-levels configuration.

Clean copy of claim 4

4. (Original) The process as claimed in Claim 1, wherein the powder metal includes copper powder.

Clean copy of claim 5

5. The process as claimed in claim 1, wherein the liquid includes distilled water.

Clean copy of claim 6

6. (Original) The process as claimed in Claim 1, further comprising performing a sintering process.

Clean copy of claim 7

7. (New) A coating process of a powder metal micro thin film, suitable for use in a container having any profile and having a plurality of multiple levels interior bottom surfaces, the process comprising:

mixing a predetermined amount of powder metal with a predetermined amount of liquid to form a powder metal mixture, wherein the amounts of powder metal and liquid are adjusted to allow fluent flow of the powder metal mixture;

stirring the powder metal mixture;

filling the powder metal mixture in the container;

vibrating the container;

vaporizing liquid from the powder metal mixture; and forming a thin film of powder metal deposited on the interior bottom surfaces of the container, wherein the thin film is thinner than about 0.1mm.